

Abstract of the Disclosure

Neurochip for Neuroprosthetic Control. According to one embodiment, a neural spike detection system is provided. The neural spike detection system can include a signal receiver operable to receive a plurality of neural signals
5 including neural spikes. The system can also include a neural spike detector adapted to communicate with the signal receiver and detect neural spikes in the plurality of neural signals. Further, the system can include a transmitter connected to the neural spike detector and operable to transmit an information signal when a neural spike is detected.